UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/670,783	09/27/2000	Joseph Andrew Mellmer	1909.2.74A	6748

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EXAMINER
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ART UNIT	PAPER NUMBER
2162	

DATE MAILED: 01/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- *The MAILING DATE f this communication appears on the cover sheet with the corresp ndence address --*

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>14 September 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-101</u> is/are pending in the application.

   4a) Of the above claim(s) <u>59-89</u> is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-58 and 90-101</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)   4)☐ Interview Summary (PTO-413)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)   Paper No(s)/Mail Date. _____ .
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   5)☐ Notice of Informal Patent Application (PTO-152)
   Paper No(s)/Mail Date _____ .   6)☐ Other: _____ .

DETAILED ACTION

1.   Applicant elected Group I, claims 1-58, without traverse in the paper, filed on

September 14, 2004. Claims 59-89 are withdrawn. Pending claims 1-101. Claims 1-58

presented for examination for this office action.

Claim Objections

2.   Claims 29-30 are objected to because of the following informalities: between

claim 29 and 30, line space is needed. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims 1-58 and 90-101 are rejected under 35 U.S.C. 102(e) as being

anticipated by Chang et al (U.S. Patent No. 6,157,953, hereinafter, "Chang").

With respect to claim 1, Chang discloses, database (user profile data repository, col. 4, lines 7-27) including at least one user object (user profile data, col. 4, lines 7-27) for a user, the user object having a corresponding safe object (user identifier, col. 3, lines 13-67 to col. 4, lines 1-29) in the database (user profile data repository, col. 4, lines 7-27) for the user, the safe object containing at least one profile administered by the user, each profile including digital identity information provided by the user (user identifier, col. 3, lines 13-67 to col. 4, lines 1-29, access control mechanism derives a list of services to which the system administrator associated with the identifier and password has administrative access).

With respect to claim 2, Chang discloses, one safe object contains more than one user-administered profile and different profiles provide sets of different digital identity information about the user, see (col. 4, lines 7-27).

With respect to claim 3, Chang discloses, the safe object also contains at least one user-administered contact, each contact representing an entity outside the user's safe which receives controlled read access to digital identity information from at least one of the profiles, see (col. 6, lines 11-49).

With respect to claims 4-7, Chang discloses, safe object also contains at least one drop box object, one application object with settings for an application, one view object, at least one access object, see (col. 6, lines 11-49).

With respect to claims 8-9, Chang discloses, web server and an identity server, the identity server communicate using encrypted user names, see (col. 6, lines 11-49).

With respect to claims 10-13, Chang discloses, web server and the identity server are secured by a firewall, an identity server appliance, a zero-byte client, see (col. 6, lines 11-49).

With respect to claims 14-20, Chang discloses, system comprises a provider model for access to the database, and the provider model abstracts the details of a particular directory and storage protocol, access to the database, and the abstract model offers a hierarchical storage system in a representation that includes a user, a container, and data, programmatic interface to identity items and operations that correspond generally to directory service objects, wherein the database includes multiple safe objects contained in a vault object, each vault object contains at least one user safe object, and objects contained by the safe objects are federated to provide controlled access between the vault servers, wherein the objects are federated using a Universal Resource Identifier which specifies at least a protocol, a host, a path, and an object and digital business card application object having a corresponding profile object which includes digital identity information provided by the user, see (col. 1, lines 5-67 to col. 2, lines 1-65).

With respect to claims 21-28, Chang discloses, system comprises a means for one user to receive updated profile information of another user using a link to the database partitioned directory services database, characterized in that it provides an account creation service which creates a new account for a user based on a template, a safe management service which provides an administrative tool to manage and maintain safe objects, schema management service which permits an administrator to at least view a directory service schema, batch account creation service which creates several accounts at one time, install service which permits one to install and configure an identity server, backup and restore service which allows one to backup and restore at least one safe object, see (col.1, lines 5-67 to col. 2, lines 1-65).

With respect to claims 29-30, Chang discloses, system comprises system is further characterized in that it provides a safe advisor service which allows one to verify the integrity of a safe object, legal recovery tool which recovers digital identity information for forensic use, data demoralization service which facilitates data transformation on database fields, see (col.1, lines 5-67 to col. 2, lines 1-65).

With respect to claims 31-41, Chang discloses, system provides an authorization service which allows a process to verify information gathered from a user registration form, profile discovery and publishing service which allows users to publish at least a portion of their profile information, form fill-in service which allows a user to have the service in at least part of an online form with information from one of the user's profile

objects, form conversion service which assists a webmaster in converting existing forms

to standardized field names, install service which installs servlets on a web server,

identity exchange service for portions of a privacy protection protocol, chat service

which sets up chat rooms so users can communicate with each other in real time, see

(col. 3, lines 15-67 to col. 4, lines 1-25).

With respect to claims 42-49, Chang discloses, presence service which lets

users specify where they are and allows them to discover another user's presence

information, anonymous remailer service which allows users to choose different email

addresses for different profiles, anonymous browsing service which allows a user to

browse a network in an anonymous fashion to prevent sites from collecting user identity

information, infomediary service which facilitates creating an infomediary, tracking IP

addresses in order to selectively publish the last known IP address of a user, underlying

directory service and an underlying file system in order to enforce access controls on

web pages published by users, email services, encodes contact relationship

information in the user's email address, see (col. 3, lines 15-67 to col. 4, lines 1-25).

With respect to claims 50-58, Chang discloses, system uses profiles to filter

email sent to the user, for determining whether a user logging in at a third party web site

is registered as a user of the system, for logging the user into the system if the user is

registered, and a means for registering the user and logging the user in if the user was

not registered, for registering the user and logging the user in comprises a means for

capturing user login information for the third party web site, user digital identity

information is only made available to a partner site if the user has flagged the

information as public, embossed icon which provides a transaction history, user

authentication mechanism, launch point for launching application, non-repudiation

feature whereby an administrator cannot change a user password and then log on as

the user, see (col. 3, lines 15-67 to col. 4, lines 1-25, col. 5, lines 13-67 to col. 6, lines 1-

65).

With respect to claims 90 and 98, Chang discloses, vault for storage (user profile

data repository, col. 4, lines 7-27) of one or more safes of digital identities (user profile,

Information relating to each user is stored in database 212 and information entered by a

user is authenticated against this information. The information, or credentials, if verified,

is passed through a CGI program to the service hosts indicated by the user. Once

received by the service hosts the information is re-authenticated against the user profile

in the database on behalf of the system administrator; in other words, this is done

"behind the scenes" without intervention or any extra steps from the user. The user only

has to log on (i.e. enter certain information such as name and password) to the

management console through a browser once and this information is passed on to the

service hosts automatically), see (col. 12, lines 32-43), the vault including an access

protocol layer (col. 6, lines 1-36), an identity server layer (col. 6, lines 1-36, access

control for servers), and an identity manager layer (fig. 7, administrator right for user,

col. 6, lines 37-67 to col. 7, lines 1-34).

With respect to claims 91-94, Chang discloses, access protocol layer includes

one or more protocols selected from LDAP, XML, RPC-over-HTTP, XDAP or SMTP,

wherein the identity server layer serves as an NDS access point, wherein the identity

server layer maintains access rights to the digital identities, wherein the identity

manager layer includes NDS authentication and authorization that controls access to

the digital identities, see (col. 5, lines 13-67 to col. 6, lines 1-65).

With respect to claims 95-97, Chang discloses, identity manager layer has a

secret store, an identity server, apportioned between a client, a web server and an

identity server, including servlets and applets, comprising a vault for secure storage of

one or more safes of digital identity profiles, see (col. 5, lines 13-67 to col. 6, lines 1-65,

col. 7, lines 4-67 to col. 8, lines 1-67).

With respect to claims 99-101, Chang discloses, vault for secure storage of one

or more safes of digital identity profiles, the vault having an access protocol layer, an

identity server layer and an identity manager layer, zero-byte client interface, client

application interface, user object and a corresponding safe object, the safe object

containing at least one profile of the digital identity profiles administered by a user, see

(col. 5, lines 13-67 to col. 6, lines 1-65, col. 7, lines 4-67 to col. 8, lines 1-67).

Conclusion

5.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Bunney et al (U.S. Patent No. 6,446,112) discloses the system for terminals (3)

can communicate with each other by means of an IRC server (40). The user terminal (3)

can send a command to a chat proxy (39). The chat proxy (39) is connected with a

session manager (23) to translate any address longer than nine characters (limit of the

IRC protocol) to a code with a maximum length of nine characters. The chat proxy (39)

can cache the result of the conversion in a storage device (42). The chat proxy (39)

then sends (41) an IRC command to the IRC server (40) together with a code having a

maximum number of nine characters. The chat proxy (39) according to the present

invention therefore allows a translation process, the provision of semi-private chat

rooms with an additional access control and a supply of supplemental chat room

attributes.

Contact Information

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Isaac M Woo whose telephone number is (571) 272-

4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

IMW
December 29, 2004

JEAN M. CORRIELUS
PRIMARY EXAMINER